



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### ILLINOIS, South

ILZ087-090>094

Gallatin - Pope - Hardin - Alexander - Pulaski - Massac

01	0001CST	0	0	762K	Flood
31	2359CST				

The Ohio River was above flood stage for virtually the entire month from Grand Chain to the confluence of the Mississippi River at Cairo. Major flooding occurred from Grand Chain to Cairo, where flooding was the worst since the Flood of 1997. The severity of the flooding in this area was due partly to very high levels on the Mississippi River, which caused water to back into the already swollen Ohio River. The crest at Cairo was 55.0 feet, which is the 7th highest on record. The community of Urbandale, just upriver from Cairo, was almost completely flooded. Despite levy protection there, flooding occurred either due to the failure of pumps or the failure of a gate in the levy. Most of the residents evacuated their homes, and about 25 homes were flooded. Many of those that were affected had been flooded in recent years and were generally low dollar-value buildings. Flooding of farmland was extensive, and farmers were forced to delay the planting of crops. Corn is normally planted by mid May. In the Cairo area, property not protected by levees was inundated. Upriver from Grand Chain, including Metropolis and Shawneetown, the flooding was generally moderate. The crest at Shawneetown was 45.4 feet, well above the 33-foot flood stage. Brookport crested about 10 feet above flood stage, and Golconda crested about 5 feet over flood stage. The main consequence was numerous flooded secondary roads, especially in Gallatin County. There was extensive flooding of farmland and parks near the river, and at least one mobile home was evacuated.

ILZ081-084

Franklin - Jackson

01	0001CST	0	0	18K	Flood
31	2359CST				

Moderate flooding of the Big Muddy River occurred. The river was above flood stage at Murphysboro for the entire month. A crest of 33.5 feet occurred on May 18, which was almost 18 feet above flood stage. Parks, woodlands, and fields in the Murphysboro area were flooded. Some access roads were inundated. Few structures were flooded, partly due to extensive buyout programs that have reduced the population in the flood plain. At Plumfield, the river crested at 27.2 feet on May 17, well above the 20-foot flood stage there. A secondary road near the river was heavily damaged. Little other damage was noted in Franklin County.

ILZ078-083

Wabash - White

01	0001CST	0	0	158K	Flood
30	1800CST				

The Wabash River was above flood stage for nearly the entire month at both Mt. Carmel and New Harmony. Major flooding occurred at Mount Carmel, where the river crested at 32.4 feet on May 17. Flood stage there is 19 feet. Most roads along the river or near the river were impassible. Close to 6,000 acres of farmland were flooded when a major agricultural levy, the Calvin Bottoms Levy, was breached. Since most crops had not been planted due to excessive rainfall in April, crop losses were negligible. Major planting delays were caused by the prolonged moist spell. The Wabash River was more than 3 miles wide at I-64. Mobile homes were moved, and installation of flood gates was necessary. Few homes were flooded, but water reached the floors of several trailers. High water backed up into Bon Pas Creek.

### Wayne County

Cisne	01	1406CST	0	0	Hail(0.75)
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### Edwards County

West Salem	01	1430CST	0	0	Hail(1.25)
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### Wabash County

4 N Mt Carmel	01	1442CST	0	0	Hail(0.75)
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### Jackson County

De Soto	02	0522CST	0	0	Hail(1.75)
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					Killed	Injured	Property Crops	

### ILLINOIS, South

#### Jackson County

Grand Tower to Makanda	02	0530CST 0545CST			0	0	1M	Hail(2.00)
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#### Williamson County

Marion to Creal Spgs	02	0545CST 0600CST			0	0	2M	Hail(2.00)
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#### Johnson County

New Burnside to Ozark	02	0556CST 0558CST			0	0	100K	Hail(1.75)
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A severe thunderstorm produced very large hail as it moved east across Jackson and Williamson Counties. The largest hail, which was between golf ball and tennis ball size, occurred in a swath parallel to and just south of Illinois Route 13. Large hail up to half-dollar size was reported as far north as Desoto and Johnston City. The hailstorm clipped the northeast corner of Johnson County, producing hail up to golf ball size. Extensive damage occurred to vehicles and some building exteriors. Windshields were broken. One insurance company reported 66 auto and 81 property damage claims.

#### Saline County

2 NE Carriers Mills	02	0610CST			0	0		Hail(0.75)
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#### Alexander County

Cairo	02	0715CST			0	0		Hail(1.00)
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A severe thunderstorm moved east across the Mississippi River from Missouri, produced quarter size hail over Cairo, then crossed the Ohio River into Ballard County, Kentucky.

#### Perry County

Countywide	08	0100CST 0400CST			0	0	7K	Urban/Sml Stream Fld
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#### Wayne County

3 W Fairfield	08	0100CST 0400CST			0	0		Urban/Sml Stream Fld
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#### White County

Countywide	08	0100CST 0400CST			0	0	3K	Flash Flood
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#### Jackson County

Vergennes to Elkhville	08	0106CST 0400CST			0	0		Urban/Sml Stream Fld
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Two highways were impassable due to flooding in northeast Jackson County: Route 127 near Vergennes and U.S. 51 near Elkhville. In White County, extensive flooding of roads and fields occurred. Sections of U.S. Highway 45 were closed in two places: north of Enfield and north of Norris City. Several vehicles stalled in the floodwaters, but no injuries were reported. A number of streets in Carmi were covered with water, as well as numerous rural roads. In Wayne County, at least two sections of Illinois 15 west of Fairfield were flooded. In Perry County, high water flowed over parts of Route 154 outside of Pinckneyville. Water was over several streets in Du Quoin, and it was high enough to flood a small car. A resident of Du Quoin measured 22 inches of water in the basement. Rainfall amounts were unofficially measured near 3 inches at Centerville (White County) and Grand Tower (Jackson County). The highest report was 4.3 inches in 12 hours at Du Quoin (Perry County).

ILZ083

White

08 31	0800CST 2359CST			0	0	7K	Flood
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### ILLINOIS, South

The Little Wabash River was above flood stage for most of the month. At Carmi, where flood stage is 27 feet, the river crested at 36.6 feet on May 18. The highest level on record is 38.8 feet in 1961. About six families in the Carmi area were displaced by flooding. Several streets in East Carmi and many rural roads were closed by flooding. Extensive flooding of farmlands and fields occurred. Crop damage was negligible since planting had not yet begun. Some oil wells were shut down by flooding.

**ILZ084-088-092**

**Jackson - Union - Alexander**

<b>08</b>	<b>1700CST</b>	<b>0</b>	<b>0</b>	<b>1.5M</b>	<b>Flood</b>
<b>31</b>	<b>1900CST</b>				

Major flooding of the Mississippi River occurred. The river rose above flood stage at Thebes on May 8, then reached its crest of 44.3 feet on May 18. Flood stage at Thebes is 33 feet. This resulted in extensive flooding of farmland and threats to some developments. Backwater from the Mississippi threatened dozens of homes in the Horseshoe Lake area, including the Miller City and Olive Branch communities. These communities are between Cairo and East Cape Girardeau. As was the case in the floods of 1993 and 1995, emergency measures were taken to reinforce and build up levees around Olive Branch and Miller City. The levees held up, but structures not protected by levees were flooded. About 30 families evacuated due to flooding of their residences, mainly in the Miller City and McClure areas. At Thebes, the town's riverfront park was flooded, and a house and a church were flooded. Elsewhere, from Jackson County to Cairo, secondary roads near the river were closed, and parks and farmland were underwater.

**Jefferson County**

**Mt Vernon**

<b>09</b>	<b>0143CST</b>	<b>0</b>	<b>0</b>	<b>25K</b>	<b>Thunderstorm Wind (G52)</b>
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Trees and tree limbs were blown down in Mount Vernon. One tree fell on a house, another fell on a carport, and another fell on power lines. Downed limbs and wires were reported at 17 locations in the city.

**Massac County**

**Metropolis**

<b>09</b>	<b>0320CST</b>	<b>0</b>	<b>0</b>	<b>10K</b>	<b>Thunderstorm Wind (G52)</b>
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A thunderstorm downburst struck a small area on the east side of Metropolis. About 10 trees were blown down, including one that fell on a house and another on power lines. A carport was blown about 100 feet into some woods. A sign was damaged at a car dealership.

**ILZ076**

**Wayne**

<b>09</b>	<b>0800CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
<b>10</b>	<b>1800CST</b>			

The Skillet Fork River rose above its banks at Wayne City. Minor flooding of some low-lying areas near the river occurred. The highest stage of 15.2 feet was just above the 15-foot flood stage.

**Jackson County**

**2 S Campbell Hill**

<b>12</b>	<b>1828CST</b>	<b>0</b>	<b>0</b>	<b>Hail(0.75)</b>
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**Jackson County**

**Campbell Hill**

<b>12</b>	<b>1830CST</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (G50)</b>
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**Williamson County**

**1 W Hurst**

<b>12</b>	<b>1849CST</b>	<b>0</b>	<b>0</b>	<b>Hail(0.88)</b>
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**Jackson County**

**Carbondale to  
3 S Carbondale**

<b>12</b>	<b>1850CST 1855CST</b>	<b>0</b>	<b>0</b>	<b>Hail(1.00)</b>
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**Perry County**

**Du Quoin**

<b>12</b>	<b>1900CST</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>Thunderstorm Wind (G52)</b>
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A complex of thunderstorms produced some large hail and strong winds from Carbondale north and west. Dime to quarter size hail fell at Carbondale, near Campbell Hill, and in the extreme northwest corner of Williamson County. Isolated downbursts blew down trees at Campbell Hill and DuQuoin. On the southwest side of DuQuoin, metal roofing was blown off a meat packing plant, and a nearby wooden fence was blown over.



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### ILLINOIS, South

#### Jackson County

Countywide	12	1908CST			0	0	10K		Flash Flood
	13	0010CST							

#### Jefferson County

1 SE Mt Vernon	12	2108CST			0	0			Flash Flood
	13	0010CST							

#### Union County

Countywide	12	2108CST			0	0	8K		Flash Flood
	13	0300CST							

#### Edwards County

Countywide	12	2145CST			0	0	20K		Flash Flood
	13	0400CST							

#### Wayne County

Countywide	12	2241CST			0	0			Flash Flood
	13	0300CST							

#### Alexander County

Countywide	13	0016CST			0	0	300K		Flash Flood
		0230CST							

In Union County, flash flooding struck the small community of Mill Creek, forcing some residents out of their homes. An elderly woman was rescued by boat from her flooded home, and Route 127 was closed. Some residents of the Reynoldsville area of Union County were only able to boat to and from their homes. In Alexander County, flash flooding damaged about 12 homes, mainly in the Tamms and Elco areas. Twelve to 14 bridges and about 40 roads were washed out or damaged. In other counties, many secondary roads were closed across southern Illinois, including 8 in Jackson County. Water was over Route 4 near Campbell Hill in northwest Jackson County. In Edwards County, a 24-hour rainfall amount of 4.95 inches was reported at Browns, and 4.5 inches was reported at West Salem. High water caused one stranded motorist to be rescued near West Salem. Floodwaters from Little Bonpas Creek closed at least one road and flooded others. There were numerous roads with water over them in Wayne and Edwards Counties, including Highway 15 about 2 miles west of Fairfield and Route 45 between Geff and Cisne. In Jefferson County, water was over Two Mile Creek Road and Brownsville Road.

#### ILZ076

#### Wayne

14	1300CST			0	0			Flood
15	1100CST							

The Skillet Fork rose above its flood stage at Wayne City. At Wayne City, where flood stage is 15 feet, the crest was 17 feet. There was minor flooding of low-lying areas near the river.

#### Union County

Countywide	17	0055CST			0	0		Flash Flood
		0530CST						

#### Alexander County

Countywide	17	0112CST			0	0		Flash Flood
		0530CST						

#### Johnson County

Countywide	17	0112CST			0	0		Flash Flood
		0530CST						

#### Pulaski County

Countywide	17	0112CST			0	0		Flash Flood
		0530CST						

#### Pope County

Countywide	17	0756CST			0	0		Flash Flood
		1100CST						



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<b>ILLINOIS, South</b>								
<b>Massac County</b>								
Countywide	17	0759CST 1200CST			0	0		Flash Flood
Water was over several roads in each county. In Union County, Highway 127 in Jonesboro and Highway 146 just west of Jonesboro were flooded.								
<b>Jefferson County</b>								
2 S Mt Vernon	25	1300CST			0	0		Thunderstorm Wind (G50)
<b>Williamson County</b>								
Herrin to Marion	25	1358CST 1410CST			0	0	300K	Hail(1.75)
<b>Union County</b>								
Alto Pass	25	1430CST			0	0		Hail(0.88)
<b>Johnson County</b>								
Goreville	25	1505CST			0	0		Hail(0.75)
<b>Johnson County</b>								
Tunnel Hill	25	1544CST			0	0		Hail(0.88)
<b>Hardin County</b>								
Cave In Rock	25	1610CST 1617CST			0	0		Hail(0.75)
<b>Union County</b>								
2 S Jonesboro	25	1700CST			0	0		Hail(1.00)

Thunderstorms produced large hail at several locations in southern Illinois. The most intense hailstorm occurred at Marion, where hailstones were up to the size of golf balls. The hail dented numerous vehicles and broke mirrors and tail lights. Leaves were stripped off trees, and some limbs were down. The hail damaged vinyl siding, broke house windows, and caused some roof damage. Other hail reports in southern Illinois were quarter-size or smaller. The hail lasted long enough to cover the ground at Alto Pass. The only report of strong winds was near Mount Vernon, where large limbs were blown down on Route 148 south of town.

<b>Jackson County</b>								
Vergennes	28	1421CST			0	0		Hail(0.75)

### INDIANA, Southwest

<b>INZ085-087&gt;088</b>	<b>Posey - Warrick - Spencer</b>							
	01 0001CST				0	0		Flood
	27 1900CST							

The Ohio River was above flood stage at Newburgh and Mount Vernon for most of the month. The river crested three times during the month. At Newburgh, all three crests were only about two feet above the flood stage of 38 feet. This resulted in minor flooding, mainly of agricultural lowlands. Crests at Mount Vernon were 3 to 5 feet above the 35-foot flood stage. The highest crest of 40.5 feet occurred on May 22, resulting in moderate flooding. Mostly agricultural land was affected. The main effect of the flooding was to delay the planting of crops. Corn is normally planted by mid May. A few county roads near the river were flooded

<b>INZ081-085</b>	<b>Gibson - Posey</b>							
	01 0001CST				0	0	275K	Flood
	30 1800CST							

The Wabash River was above flood stage for nearly the entire month at both Mt. Carmel and New Harmony. Major flooding occurred at Mount Carmel, where the river crested at 32.4 feet on May 17. Flood stage there is 19 feet. Much of Western Gibson County was under water, and the river was over 3 miles wide at I-64. New Baltimore (Black Hawk River Camp) about 1 1/2 miles south of Griffin flooded extensively, requiring 41 families to evacuate. Many of these residences were trailers. An agricultural levy south of Crawleyville eroded and was in danger of failing. At New Harmony, the crest of 21.8 feet occurred on May 18. This was almost 7 feet over the flood stage of 15 feet. Flooding was moderate, consisting mostly of farmland. Planting had not yet begun due to excessive rainfall in April, so crop damage was negligible. Floodwaters threatened parts of northern New Harmony, and



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### INDIANA, Southwest

sandbagging was necessary in town. Harmonie State Park was closed. This was the highest river level since 1961 at New Harmony, and the highest since 1950 at Mount Carmel.

**INZ081**

**Gibson**

**01 0001CST**  
**25 0800CST**

**0 0**

**Flood**

The Patoka River was above flood stage for most of the month at Princeton. The first crest of 18.4 feet was just above the 18-foot flood stage and caused few problems. The second more significant crest of 23.1 feet occurred on May 17. Flooding of farmland was rather extensive. Spring planting was delayed for the affected farmers.

**INZ081>082**

**Gibson - Pike**

**01 0001CST**  
**27 1800CST**

**0 0**

**40K**

**Flood**

The White River was above flood stage for nearly the entire month. At Hazleton, where flood stage is 16 feet, the river crested at 28.0 feet on May 20. Heavy rains on May 12 and 13 came while extensive flooding was already in progress from previous rains. Flooding of farmland was widespread. Crop damage was negligible since planting had not yet begun. Most houses near the river are on stilts or otherwise prepared for floods, so property damage was minimal. River roads were flooded. Highway 257 was one of the busiest roads closed. Heavy rain in Hazleton forced open one of the flood gates, and the gate was stuck open by debris.

**Pike County**  
**Petersburg**

**01 1457CST**

**0 0**

**Hail(1.75)**

**Pike County**  
**2 S Winslow**

**01 1505CST**

**0 0**

**Thunderstorm Wind (G50)**

A spotter on Route 61 estimated 55 to 60 MPH gusts.

**Vanderburgh County**  
**Evansville**

**02 0950CST**

**0 0**

**Hail(0.75)**

**Warrick County**  
**2 N Boonville**

**02 1002CST**

**0 0**

**Hail(1.00)**

A severe thunderstorm moved east from Evansville, passing across the Boonville area of southwest Indiana. The storm produced a swath of large hail ranging from dime to quarter size. Dime-size hail fell at the North Park Mall in Evansville, and quarter-size hail fell just north of Boonville.

**Pike County**  
**Countywide**

**08 0632CST**  
**0900CST**

**0 0**

**Flash Flood**

Radar estimated around an inch of rain falling per hour over saturated ground.

**Gibson County**  
**Countywide**

**12 2130CST**  
**13 0400CST**

**0 0**

**75K**

**Flash Flood**

**Pike County**  
**Countywide**

**12 2130CST**  
**13 0400CST**

**0 0**

**280K**

**Flash Flood**

In Gibson County, a van was swept off a road between Fort Branch and Haubstadt. Numerous roads in Gibson County were reportedly covered by water. In Pike County, flash flooding washed out two bridges and several culverts. Several mudslides occurred along roads. Portions of State Highways 56 West and 64 West were closed, as well as numerous county roads. About 25 homes were damaged by flash flooding at various places throughout Pike County. Several houses in Petersburg had water in them. A couple of businesses and a few vehicles were flooded.

**Posey County**  
**Mt Vernon**

**25 1520CST**

**0 0**

**10K**

**Hail(1.75)**

There were several reports of hail damage to homes and vehicles in and around Mt. Vernon



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### KENTUCKY, Southwest

**KYZ004>005-007-010-014- Ballard - Mcracken - Livingston - Crittenden - Union - Henderson - Daviess  
018>019**

<b>01</b>	<b>0001CST</b>	<b>0</b>	<b>0</b>	<b>10K</b>	<b>Flood</b>
<b>29</b>	<b>0900CST</b>				

Minor to moderate flooding of the Ohio River occurred. At Uniontown, the river was above flood stage nearly all month. Downriver at Smithland and Paducah, the flooding occurred during the mid and latter part of the month. The dates of the highest river crests were: May 23 at Uniontown, May 19 at Paducah, and May 18 and 24 at Smithland. The highest crest levels were 43 to 45 feet at all three gage sites. Flood stages are as follows: 37 feet at Uniontown, 40 feet at Smithland, and 39 feet at Paducah. Flooding of agricultural areas was rather extensive, which delayed the planting of crops for many farmers. Corn is normally planted by mid May. At Paducah, portions of the riverfront city park were flooded. In rural areas without levy protection, a number of roads near the river were closed. A cross-river ferry based in Crittenden County ceased operations due to high water. Few structures were flooded. Those that were flooded were low dollar-value structures that normally flood every few years.

#### **Christian County**

<b>Hopkinsville</b>	<b>01</b>	<b>0130CST</b>	<b>0</b>	<b>0</b>	<b>Hail(1.00)</b>
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#### **Union County**

<b>Sullivan</b>	<b>02</b>	<b>0635CST</b>	<b>0</b>	<b>0</b>	<b>Hail(1.00)</b>
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#### **Webster County**

<b>Dixon</b>	<b>02</b>	<b>0650CST</b>	<b>0</b>	<b>0</b>	<b>Hail(1.00)</b>
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#### **Hopkins County**

<b>5 N Hanson</b>	<b>02</b>	<b>0700CST</b>	<b>0</b>	<b>0</b>	<b>Hail(0.75)</b>
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#### **McLean County**

<b>1 E Calhoun</b>	<b>02</b>	<b>0715CST</b>	<b>0</b>	<b>0</b>	<b>Hail(0.75)</b>
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A severe thunderstorm moved east from southern Union County, crossing central Webster County, extreme northern Hopkins County, and most of McLean County. The thunderstorm was a large hail producer, with several reports of dime to quarter size hail along its path. The hail covered the ground at Dixon.

#### **Ballard County**

<b>Wickliffe</b>	<b>02</b>	<b>0718CST</b>	<b>0</b>	<b>0</b>	<b>100K</b>	<b>Hail(1.75)</b>
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#### **McCracken County**

<b>5 S Barkley Arpt</b>	<b>02</b>	<b>0730CST</b>	<b>0</b>	<b>0</b>	<b>Hail(0.88)</b>
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A severe thunderstorm crossed into western Kentucky from Cairo, Illinois, and then moved east across Ballard and McCracken Counties. The storm was most intense in western Ballard County, where several minutes of golf-ball size hail whitened the ground at Wickliffe. Hail damage occurred in Wickliffe, mostly to vehicles. Nickel-size hail occurred over a rural area south of Barkley Regional Airport in McCracken County.

#### **Carlisle County**

<b>Bardwell</b>	<b>02</b>	<b>0725CST</b>	<b>0</b>	<b>0</b>	<b>Hail(0.75)</b>
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#### **KYZ001>004**

**Fulton - Hickman - Carlisle - Ballard**

<b>08</b>	<b>1400CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
<b>31</b>	<b>2359CST</b>			

Major flooding of the Mississippi River occurred. The river rose above flood stage at New Madrid, Missouri on May 9 and crested about 9 feet above flood stage on May 20. A section of U.S. Highway 51 was flooded near Wickliffe. Farmland was flooded, delaying spring planting season. A ferry from Columbus, KY to Dorena, Missouri ceased operations due to the high water

#### **Livingston County**

<b>Burna</b>	<b>09</b>	<b>0327CST</b>	<b>0</b>	<b>0</b>	<b>8K</b>	<b>Thunderstorm Wind (G70)</b>
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### KENTUCKY, Southwest

A thunderstorm downburst with estimated peak winds of 80 MPH struck the small community of Burna. The damage area, measuring about 1/2 mile long and 1/4 mile wide, was on the north side of Burna and U.S. Highway 60. About a dozen large trees were uprooted or broken, and mainly minor damage occurred to at least 5 homes and businesses. A small building, about 15 by 40 feet, was moved off its foundation.

#### **McCracken County Countywide**

13	0046CST 0300CST			0	0	6K	Flash Flood
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A house in Paducah was evacuated due to flooding. Road flooding was reported in the usual flood-prone areas of McCracken County.

#### **Graves County Countywide**

17	0345CST 1300CST			0	0	2K	Flash Flood
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#### **Marshall County Countywide**

17	0345CST 1300CST			0	0	3K	Flash Flood
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#### **McCracken County Countywide**

17	0345CST 1300CST			0	0		Flash Flood
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#### **Ballard County Countywide**

17	0525CST 1300CST			0	0		Flash Flood
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#### **Carlisle County Countywide**

17	0525CST 1300CST			0	0		Flash Flood
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#### **Calloway County Countywide**

17	0558CST 1300CST			0	0	1K	Flash Flood
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#### **Muhlenberg County Countywide**

17	0756CST 1100CST			0	0		Flash Flood
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#### **Fulton County Countywide**

17	0759CST 1300CST			0	0	1K	Flash Flood
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#### **Hickman County Countywide**

17	0759CST 1300CST			0	0	1K	Flash Flood
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Thunderstorms dumped 2 to 4 inches of rain over parts of western Kentucky. The National Weather Service office in Paducah measured 3.22 inches, bringing the rainfall total since May 1 to nearly 8.5 inches. Several houses on Kentucky 1129 near Cayce in Fulton County were surrounded by rising water, isolating them. Kentucky 239 in Fulton and Hickman Counties was one of dozens of state and county roads that were closed across western Kentucky. Other major roads were affected. Highway 121 at New Concord in Calloway County was closed. In Marshall County, Wadesboro Road was washed out and closed. At Mayfield, a roadway collapsed due to erosion along the side of a bridge.

#### **KYZ020>021**

#### **McLean - Muhlenberg**

18	1600CST			0	0		Flood
24	1100CST						

The Green River crested about 4 to 5 feet above flood stage at both Calhoun and Paradise. Flooding was minor, consisting of mainly farmland. Planting of crops was delayed or had to be repeated.

#### **Henderson County .5 S Henderson**

25	1515CST			0	0		Hail(0.88)
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# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### KENTUCKY, Southwest

<b>Henderson County</b>									
Corydon	25	1540CST			0	0			Hail(0.75)
<b>Union County</b>									
Morganfield	25	1615CST			0	0			Hail(0.75)
<b>Ballard County</b>									
Bandana	25	1645CST			0	0			Hail(0.88)
<b>Crittenden County</b>									
3 N Marion	25	1645CST			0	0			Hail(1.00)
<b>Livingston County</b>									
Burna to Salem	25	1655CST			0	0			Hail(0.75)
<b>Mccracken County</b>									
Ragland	25	1655CST			0	0			Hail(1.00)
<b>Daviess County</b>									
St Joseph	25	1706CST			0	0			Hail(0.88)
<b>Webster County</b>									
Dixon	25	1715CST			0	0			Hail(0.75)
<b>Hopkins County</b>									
Dawson Spgs	25	1720CST			0	0			Hail(1.75)
<b>Crittenden County</b>									
.5 N Marion	25	1730CST			0	0			Hail(0.75)
<b>Carlisle County</b>									
2 SW Bardwell	25	1739CST			0	0			Hail(0.75)
<b>Daviess County</b>									
Whitesville	25	1740CST			0	0			Hail(1.00)
<b>Livingston County</b>									
Iuka	25	1745CST			0	0			Hail(0.75)
<b>Lyon County</b>									
Kuttawa to Eddyville	25	1813CST			0	0			Hail(0.75)

Fifteen reports of large hail were received from western Kentucky. Golf-ball size hail was reported at Dawson Springs, which is between Princeton and Lake Barkley. All the other reports were of dime to quarter-size hail.

<b>Carlisle County</b>									
Berkeley	25	1715CST			0	0			Thunderstorm Wind (G50)
Trees were uprooted, and one fell on a vehicle.									

<b>Hickman County</b>									
2 S Clinton	25	2016CST 2350CST			0	0			Flash Flood

U.S. Highway 51 was barricaded south of Clinton. Highway 239 was closed. Thunderstorms produced radar-estimated rainfall of 2 to 3 inches over sections of southern Hickman County.

### MISSOURI, Southeast

<b>Perry County</b>									
Frohna	02	0522CST			0	0			Hail(0.75)
<b>Carter County</b>									
Van Buren	02	0545CST			0	0			Hail(1.00)
<b>Wayne County</b>									
6 SE Piedmont	02	0557CST			0	0			Hail(1.75)



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2002

May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Crops	Character of Storm
MISSOURI, Southeast									
Wayne County Wappapello	02	0618CST			0	0			Hail(0.75)
Bollinger County Arab	02	0630CST			0	0			Hail(0.75)
Penny-size hail covered the ground.									
Stoddard County Bloomfield	02	0700CST			0	0			Hail(0.75)
Mississippi County 5 NE Wyatt	02	0715CST			0	0			Hail(1.75)
Scott County Morley	02	0730CST			0	0			Hail(0.75)
Cape Girardeau County Cape Girardeau	02	0930CST			0	0	20K		Lightning
Lightning struck a house, causing a fire that destroyed it. Two dogs in the house died in the fire.									
Carter County Fremont	07	1322CST			0	0			Hail(1.00)
Butler County 8 SW Hendrickson to Hendrickson	07	1408CST 1420CST			0	0			Hail(1.75)
A thunderstorm complex produced large hail at a couple of locations in the Mark Twain National Forest, including Fremont and Hendrickson.									
Bollinger County Patton	08	0015CST			0	0			Hail(0.88)
Nickel-size hail fell in the northern part of the county									
Cape Girardeau County Fruitland	08	0104CST			0	0			Hail(0.75)
Cape Girardeau County Cape Girardeau	08	0122CST			0	0	25K		Thunderstorm Wind (G52)
Severe thunderstorms downed numerous trees and power lines in the city of Cape Girardeau, and dime-size hail fell at Fruitland.									
Carter County Countywide	08	0300CST 0715CST			0	0	250K		Flash Flood
Stoddard County Countywide	08	0300CST 0730CST			0	0			Flash Flood
Cape Girardeau County Countywide	08	0320CST 0815CST			0	0			Flash Flood
Scott County Countywide	08	0358CST 0800CST			0	0			Flash Flood
Perry County Countywide	08	0400CST 0800CST			0	0	5K		Flash Flood
Bollinger County Countywide	08	0428CST 0800CST			0	0			Flash Flood
Wayne County Countywide	08	0436CST 0815CST			0	0	10K		Flash Flood
High water was reported on many roads in Van Buren, and numerous creeks were out of their banks. Several people near the town of									



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### MISSOURI, Southeast

Fremont in Carter County were evacuated by boat. Rock and mud slides were reported on U.S. Highway 60 near Ellsinore. State police reported water over many roads from Wayne County east through Cape Girardeau County, some of which were closed. In Wayne County, 1 to 2 feet of water was reported on U.S. Highway 67 a couple miles north of York Village, and a couple of houses had water in them. In Perry County, water was over the bridge on Highway 922. Several creeks were out of their banks in Bollinger County. Radar estimated rainfall rates from 1 to 2 inches per hour in some places. Total rainfall amounts from observers were 2 to 4 inches.

#### MOZ100-110

##### Wayne - Stoddard

08	0900CST	0	0	50K	Flood
31	0900CST				

On May 9, the St. Francis River rose to 25.6 feet at Patterson, where flood stage is 16 feet. A second higher crest occurred on May 13, when the river crested at 31.1 feet. Downriver at Fisk, the river rose about a foot above the 20-foot flood stage on May 18. There was extensive flooding of woods and fields around Patterson. The source of the St. Francis River is at Wappapello Dam. In order to mitigate flooding on the St. Francis River, Lake Wappapello was allowed to rise to its second highest level on record. This level of 395.13 feet was reached on May 19. As a result, U.S. Highway 67 was flooded at Greenville, and the highway was closed. Several other highways were closed, including Highway 34 at Patterson and D Highway from Greenville to Wappapello. A few miles below the dam, the small community of Moccasin Flats was isolated by floodwater. Residents either evacuated or commuted by boat. Clearwater Lake, which is the source of the Black River, reached a record high elevation. It poured over the emergency spillway at Clearwater Dam, flooding Highway HH and threatening homes below the dam.

#### MOZ107>108

##### Carter - Ripley

08	1200CST	0	0	225K	Flood
10	2000CST				

Significant flooding occurred on the Current River along its course through Carter and Ripley Counties. At Doniphan, where flood stage is 13 feet, the river crested at 20.6 feet. A gas station, car wash, and oil change shop within an eighth of a mile of the river were flooded. Jefferson Street, along which the police station and courthouse is located, became impassable due to flooding. At Van Buren, where flood stage is 20 feet, the river crested at 22.8 feet. At least two homes within the city limits of Van Buren were flooded. The river was closed to recreational interests, such as kayakers and canoeists. Boat ramps, parks, and baseball fields along the river were flooded.

#### MOZ109

##### Butler

08	1400CST	0	0	30K	Flood
10	1400CST				

Serious flooding occurred on the Black River, which was above flood stage at Poplar Bluff for a few days. The highest stage of 18.5 feet occurred around 5 P.M. on May 9. Flood stage at Poplar Bluff is 16 feet. The river broke through a levy near Butler County Road 202, prompting evacuations and threatening houses and livestock. Elsewhere along the river, flooding of low-lying farmland, woods, and parks occurred.

#### MOZ076-087-111>112-114 Perry - Cape Girardeau - Scott - Mississippi - New Madrid

08	1600CST	0	0	195K	Flood
31	2359CST				

Major flooding of the Mississippi River occurred. The crest at Cape Girardeau, which was 45.7 feet, was the 4th highest on record and almost 14 feet above flood stage. The record crest of 48.5 feet occurred in August of 1993. At New Madrid, the crest was 42.6 feet, well above the flood stage of 34 feet. In areas with no levy protection, a small number of homes and other buildings were flooded. Only eight houses in Cape Girardeau were flooded, mainly in the Red Star neighborhood. Some other houses in the Scott County community of Commerce were flooded. Property damage was minimized by recent flood mitigation projects, such as buyouts to reduce the number of people living in flood plains. As was the case in 1993 and 1995, a makeshift levy was constructed on state highways near Dutchtown. This protected the community of Dutchtown from water backing up a diversion channel that goes to the Mississippi River. Diversion Channel flooding isolated the community of Allenville. Highways 25 and 74 were a couple of the major roads closed. Dozens of smaller roads near the river were closed from Perry County to New Madrid County. Extensive flooding of farmland occurred, with around 100,000 acres flooded. Spring planting season was delayed indefinitely.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<b><u>MISSOURI, Southeast</u></b>									
<b>Wayne County</b>									
Wappapello	09	0200CST			0	0	10K		Thunderstorm Wind (G50)
Thunderstorm winds downed numerous trees in the vicinity of Wappapello Dam. Boat docks were damaged at a marina about a mile north of the dam. A truck was heavily damaged by a downed tree.									
<b>Butler County</b>									
4 N Rombauer	09	0200CST			0	0			Thunderstorm Wind (G50)
Thunderstorm winds that struck the Wappapello area of Wayne County also affected the northeast corner of Butler County. Numerous trees were down along Butler County T Highway and RA Highway									
<b>Bollinger County</b>									
Gipsy	09	0210CST			0	0			Thunderstorm Wind (G50)
Trees were down across Highway E.									
<b>Stoddard County</b>									
Puxico to Bloomfield	09	0215CST 0230CST			0	0	40K		Thunderstorm Wind (G52)
Numerous trees were blown down across the county. In Puxico, many branches and trees landed on roads, cars, and homes. At least 3 homes were damaged, mainly due to trees landing on them. At a golf course in Bloomfield, a golf cart house was destroyed, and a clubhouse roof was damaged. About 20 trees were blown down at the golf course, and several more were down in Bloomfield City Park.									
<b>Cape Girardeau County</b>									
Cape Girardeau	09	0230CST			0	0	40K		Thunderstorm Wind (G50)
Thunderstorm winds blew down at least 17 trees in the city, damaging two vehicles and a house. City officials received 75 requests for help to remove trees and limbs from streets and yards.									
<b>Scott County</b>									
Sikeston	09	0235CST			0	0	10K		Thunderstorm Wind (G50)
Numerous trees were blown down, and power was out to parts of the city.									
<b>Mississippi County</b>									
Dogwood	09	0245CST			0	0	7K		Thunderstorm Wind (G55)
A barn was destroyed, and numerous trees were down. Minor roof damage occurred to a house.									
<b>Perry County</b>									
Brewer	12	1804CST			0	0			Hail(0.75)
<b>Perry County</b>									
Lithium	12	1809CST			0	0			Thunderstorm Wind (G50)
Trees were blown down.									
<b>Perry County</b>									
Countywide	12 13	1908CST 0400CST			0	0	10K		Flash Flood
<b>Bollinger County</b>									
Countywide	12 13	1923CST 0500CST			1	0	500K		Flash Flood
M21VE									
<b>Cape Girardeau County</b>									
Countywide	12 13	1923CST 0400CST			0	0	300K		Flash Flood



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<b><u>MISSOURI, Southeast</u></b>									
<b>Wayne County</b>									
Countywide	12 13	2152CST 0430CST			0	0	250K		Flash Flood
<b>Butler County</b>									
Countywide	13	0016CST 0300CST			0	0			Flash Flood
<b>Carter County</b>									
Countywide	13	0016CST 0300CST			0	0	25K		Flash Flood
<b>Mississippi County</b>									
Countywide	13	0016CST 0300CST			0	0	4K		Flash Flood
<b>Scott County</b>									
Countywide	13	0016CST 0300CST			0	0	5K		Flash Flood
<b>Stoddard County</b>									
Countywide	13	0016CST 0300CST			0	0	10K		Flash Flood

The most serious flooding struck Wayne, Bollinger, and Cape Girardeau Counties, where 4 to 8 inches of rain fell, mostly in a 12-hour period. The highest totals were in northern Bollinger County, where radar estimates and unofficial measurements indicated up to 8 inches fell. Flash flooding of Crooked Creek, which runs through the center of Marble Hill, claimed one life and caused heavy damage to the center of town. A 21-year-old man drowned after his pickup truck was swept off Highway 34 by Crooked Creek floodwaters. The incident occurred around 4 A.M. Several homes and about 15 businesses were flooded, including the city hall and police station. Sheds and small storage buildings were swept off their foundations. In Cape Girardeau County, 50 to 100 homes were damaged by flash flooding. One woman was rescued by boat when an ambulance couldn't reach her home off flooded County Road 379 north of Crump. In downtown Cape Girardeau, parked vehicles and a restaurant were flooded. Flooding of the Whitewater River made Highway 72 west of Millersville and Highway 34 at Bufordville impassable. A post office, an antique shop, and some homes in Bufordville were flooded. In Wayne County, residents in Coldwater were trapped in their homes when water went over a bridge. At Sam A. Baker State Park, the levy along Big Creek broke, flooding the park's visitors center and campgrounds. McKenzie Creek flooded in Piedmont, placing a number of residents on notice to evacuate. U.S. Highway 67 was closed when floodwaters inundated a one-mile stretch near the Wayne/Madison County line. Two bridges were washed out near Cascade in Wayne County. Numerous state and county roads were damaged by flooding in Carter, Wayne, Bollinger, and Cape Girardeau Counties. In other counties, several roads in each county were closed, and some low-water bridges were topped. In Perry County, U.S. Highway 61 was closed at Appleton due to floodwaters from Apple Creek approaching the bottom of the bridge. Official 24-hour totals from co-operative observers included 4.31 inches at Marble Hill (Bollinger County), 5.80 inches at Jackson (Cape Girardeau County), and 4.00 inches at Bloomfield (Stoddard County). Other co-operative reports were under 4 inches.

**MOZ109**

**Butler**

14 0200CST  
1100CST

0 0

**Flood**

The Black River once again rose above its banks. This flooding was less serious than the flooding several days earlier. The crest of 16.3 feet was only inches above the 16-foot flood stage at Poplar Bluff. Minor flooding of low-lying fields and woods occurred.

**MOZ108**

**Ripley**

14 1500CST  
15 0800CST

0 0

**Flood**



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	

### MISSOURI, Southeast

Minor flooding occurred along the Current River at Doniphan. The river crested at 13.7 feet at Doniphan, where flood stage is 13 feet.

#### Stoddard County

Puxico	16	1934CST			0	0		Hail(0.88)
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#### Stoddard County

Bell City	16	1952CST			0	0		Hail(0.75)
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Dime to nickel size hail was reported with a storm that crossed Stoddard County.

#### Cape Girardeau County

Countywide	16	2235CST			0	0	15K	Flash Flood
	17	0530CST						

#### Bollinger County

Countywide	16	2326CST			0	0		Flash Flood
	17	0530CST						

#### Wayne County

Countywide	16	2340CST			0	0		Flash Flood
	17	0500CST						

#### Scott County

Countywide	17	0345CST			0	0		Flash Flood
		0530CST						

#### Stoddard County

Countywide	17	0345CST			0	0		Flash Flood
		0530CST						

#### Mississippi County

Countywide	17	0525CST			0	0		Flash Flood
		1300CST						

At Marble Hill in Bollinger County, flash flooding of Crooked Creek inundated a residential area. Although this flooding was on a lesser scale than the May 12-13 flooding, several people were evacuated. Several gravel roads were washed out in the county. In Stoddard County, several roads were closed by high water, including Highway E between Bloomfield and Idalia. In downtown Cape Girardeau, extensive street flooding occurred, affecting a few businesses. Firefighters rescued a man whose vehicle stalled in high water on Route 177 on the north edge of Cape Girardeau. In Mississippi County, parts of U.S. Highway 60 were closed. Several roads were closed in Scott and Wayne Counties.

### MOZ108

#### Ripley

18	1900CST			0	0		Flood
19	1200CST						

The Current River flooded at Doniphan. The river crested at 17.4 feet around 4 A.M. on May 19, several feet above the flood stage of 13 feet.

#### Cape Girardeau County

1 SW Delta	25	1455CST			0	0		Hail(0.75)
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#### Scott County

5 E Kelso	25	1505CST			0	0		Hail(0.75)
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A thunderstorm produced dime-size hail as it moved east across southern Cape Girardeau County and northern Scott County.

#### Cape Girardeau County

2 NW Cape Girardeau	25	1540CST			0	0		Hail(0.75)
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Dime-size hail was reported on Interstate 55 between Jackson and Cape Girardeau